

### REMARKS

Applicant's attorney acknowledges with thanks the interview accorded applicant Dr. Jay Stein and his attorney, John N. Williams, on March 15, 1995.

During the course of the interview, a proposed claim was reviewed. In contrast to the cited prior art, the claim requires, for detecting a target object of the specific material of interest in an ensemble of objects, the utilization of x-ray transmission data of rays passing through the ensemble of objects, including x-rays passing through the target object of the specific material of interest as well as rays passing near but not through the target object.

This invention enables much more efficient detection systems to be built, for instance, system within practical cost range for airport baggage inspection, that can distinguish between plastic explosives and other plastic or low Z materials.

The examiner indicated that the claim as reviewed appeared to distinguish over the applied art, with the understanding that a terminal disclaimer would be filed in respect of Krug et al. U.S. 5,319,547.

That claim in substance is presented herewith as new claim<sup>1</sup>, but with slight changes, i.e. the inspection "region" is changed to "station" to avoid confusion with other uses of the term "region" in the application, and, the calculated value is

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<sup>1</sup>During the interview, Applicant inadvertently identified the proposed claim as claim 57, whereas, it being a new claim, not an amended version of a previous claim, the claim is numbered here as claim 82.

referred to in the present claim with the somewhat broader phrase "characteristic of said target object of said specific material".

In addition to method claim 82, applicant presents also independent device claim 115 which includes the same limitation and distinguishes the cited prior art for the same reasons.

All other claims presented herewith are dependent upon one of these independent claims and are submitted to be allowable over the cited prior art for the same reasons.

Out of the wish to have of record references that have come to the attention of applicant over the course of time, a supplemental information disclosure statement is submitted herewith for the Examiner's consideration. It is submitted that all claims presented in this amendment likewise are patentable over all of these additional references.

Applicant submits herewith a form of the terminal disclaimer that is being executed on behalf of Vivid Technologies, Inc., assignee.


Enclosed please find a check in the amount of \$1,133.00 for the new claims, a Supplemental Information Disclosure Statement and a check for \$210.00.

It is submitted that all claims will be in condition for allowance, upon filing of the disclaimer. Favorable action at that time is solicited.

Please apply any charges not covered, or any credits,  
to Deposit Account 06-1050.

Respectfully submitted,

Date: March 23, 1995

  
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